

FIRE PREVENTION STANDARDS

Subject: Elevator**Number: xxx****Date: Revised 11/19/01****Page 1 of 1**

I. OBJECTIVE

To provide basic fire and life safety requirements for hydraulic elevators not in high-rise buildings in accordance with Chapter 30 of the California Building Code.

II. PROCEDURE

A. Hydraulic elevator with less than 25 feet travel.

1. Sidewall spray sprinklers shall be installed at the bottom of each elevator hoist way, not more than 2 ft above the floor of the pit.
2. Upright or pendent spray sprinklers shall be installed at the top of elevator hoist ways.
Exception: Sprinklers are not required at the tops of noncombustible hoist ways of passenger elevators whose car enclosure materials meet the requirements of ASME A17.1, Safety Code for Elevators and Escalators.
3. Elevators with a fire sprinkler installed at the top of the elevator hoist way have the following requirements.
 - a. A smoke detector shall be provided within two feet of the sprinkler head. This smoke detector shall recall the elevator to the nearest available floor and cause the door to open.
 - b. A heat detector one temperature range below the sprinkler head shall be installed within two feet of the fire sprinkler in the hoist way and in the elevator equipment room or, a no-delay flow switch in the pipe to the sprinkler in the hoist way and equipment room. This detector shall cause a power shunt to cut power to the hoist way, elevator car, and the elevator equipment room.
 - c. All electrical equipment located less than 4 ft above the pit floor shall be weatherproof and identified for use in wet locations.
 - d. All elevators with an electrical power shunt shall have a back up system that will allow the car to lower itself to the next available floor and open the door.
4. All automatic elevators shall conform to Rule 211.3 "Firefighters' Service". *Exception: Single Family Dwelling elevators.*

Mike Dobson, Fire Marshal
